

April 14, 2005

Mr. Mark Verhey
Humboldt County Department of Public Health
100 H Street
Eureka, California 95501

RE: **Quarterly Status & Remediation Summary Report – First Quarter 2005**
SECOR Project No.: 77CP.60009.01.1106

Dear Mr. Verhey:

On behalf of ConocoPhillips, SECOR International Incorporated is forwarding the quarterly summary report for the following location:

<u>Service Station</u>	<u>Location</u>
Former 76 Service Station No. 01106	1693 Central Avenue, McKinleyville, California

If you have questions or comments regarding this quarterly summary report, please do not hesitate to contact me at (916) 861-0400.

Sincerely,
SECOR International Incorporated



Thomas M. Potter
Staff Scientist



Michael L. Stephens, CEG, C.HG, REA II
Senior Geologist

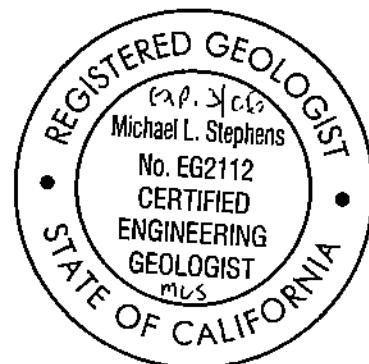


Table 1 – Ozone System Operation Data

Table 2 – Ozone Injection System Groundwater Monitoring Data

Figure 1 – Site Plan

Figure 2 – MW-2 TPHg, Benzene and MtBE Groundwater Concentrations

Figure 3 - MW-4 TPHg, Benzene and MtBE Groundwater Concentrations

S E C O R

Attachment 1 – Field Data Sheets

Attachment 2 – Certified Laboratory Analytical Reports and Chain-of-Custody Documentation

Attachment 3 – TRC Quarterly Monitoring Report – January through March 2005

cc: Mr. Thomas Kosei, ConocoPhillips

SECOR

QUARTERLY STATUS & REMEDIATION REPORT FIRST QUARTER 2005

Former 76 Station No. 01106
1693 Central Avenue
McKinleyville, California

City/County ID #: McKinleyville

County: Humboldt

PREVIOUS ASSESSMENT

The subject site is located on the corner of Central Avenue and Sutter Road in McKinleyville, California. The site was previously an operating retail service station. Currently, a retail drive up espresso kiosk is located at the site.

In 1999, Tosco Marketing Company (Now ConocoPhillips) removed three 10,000-gallon gasoline underground storage tanks (USTs) and associated piping and dispensers. Results of laboratory analyses of samples collected during the work indicated that hydrocarbons were present in soil and groundwater beneath the site.

In February 2000, at the request of Tosco, environmental Resolutions Inc. (ERI) performed a soil and groundwater investigation including the installation of four on-site groundwater monitoring wells (MW1 through MW4 and one on-site boring). Results of laboratory analyses of soil samples collected during the investigation indicated that hydrocarbon concentrations in soil were not detected and therefore were delineated. The results of laboratory analyses of groundwater samples indicated that dissolved hydrocarbons were present in groundwater and were not delineated.

In October 2000, ERI installed on on-site and four off-site groundwater monitoring wells (MW5 through MW9).

In February 2003, ERI submitted a corrective Action Plan (CAP) recommending the installation of an ozone microsparge system.

In May 2003, sparge wells AS1 through AS7 were installed at the site.

In October 2003, a remedial system design utilizing ozone microsparging was prepared.

In January 2004 an ozone injection system was installed at the site by Miller Brooks Environmental, Inc., with SECOR performing operations and maintenance activities. The ozone injection system consists of a panel mounted KVA C-Sparge™ System that produces 4 grams per hour (0.009 pounds per hour) of ozone. The system injects to seven ozone sparge wells (AS-1 through AS-7).

SENSITIVE RECEPTORS

In October, 2000, ERI performed an underground utility survey, and performed a door-

S E C O R

to-door groundwater receptor survey within an 1,100-foot radius of the site. The door-to-door groundwater receptor survey revealed seven potential groundwater receptors, all of which are active or inactive water supply wells. Four of these wells were reported as inactive, one well was reported as active, and the status of the remaining two wells is unknown. Detailed well information such as well use, total depth, and perforated screen interval was not available. The closest active well to the site located by ERI is approximately 1,100 feet southwest (crossgradient) of the site. The door-to-door groundwater receptor survey did not reveal any basements with groundwater sumps, surface water bodies, or other potential groundwater receptors.

MONITORING AND SAMPLING

The Site has been monitored and sampled since 3rd quarter, 2000. Between 3rd quarter 2000 to present, monitoring and sampling has been conducted quarterly. Currently, nine wells (MW-1 through MW-9) are sampled quarterly. Samples are analyzed for total petroleum hydrocarbons as gasoline (TPHg), BTEX, and fuel oxygenates. Additionally, samples are analyzed for NO₃, sulfate, carbon dioxide, and Fe+2.

REMEDIATION STATUS

Ozone Injection Operation

The ozone injection system consists of a wall mounted KVA C-Sparge™ System, model 5020, that produces up to 4 grams per hour (0.009 pounds per hour) of ozone. On February 18, 2005, the ozone injection system was programmed to inject to each well for ten minutes, cycling eighteen times per day resulting in 87.5 percent operation. Prior to that, the ozone injection system was programmed to inject to each well for eight minutes, cycling eighteen times per day. During the current quarter (December 16, 2004 to March 21, 2005), the ozone injection system was operational for 44 percent of the programmed runtime, resulting in 886 hours of operation and approximately 8 pounds of ozone injection. On January 12, 2005, the system was found to be non-operational due to a faulty wire and leaks at compressor outlets, SP-5 solenoid, SP-6 solenoid, and SP-7 solenoid. On February 18, 2005 the wire and leaks were repaired and the system was restarted. At that time the technician determined that the piston in the compressor also needed to be replaced. The piston and cylinder were replaced on March 24, 2005 and the system was restarted. Cumulatively, the ozone injection system has operated for 5,142.91 hours and has injected a total of approximately 46 pounds of ozone into the subsurface. Table 1 presents the operating data for the ozone injection system and includes operating hours and pressure readings. Field data sheets are included as Attachment 1.

Monthly Groundwater Sampling

Monthly groundwater samples are collected from monitoring wells MW-2 and MW-4 and analyzed for TPHg, benzene, toluene, ethylbenzene, and total xylenes (BTEX compounds), and MtBE. Results of the monthly groundwater sampling events are summarized in Table 2. In addition to the monthly groundwater samples collected for laboratory analysis, oxidation reduction potential (ORP) and dissolved oxygen (DO) measurements are also collected monthly. The ORP and DO data are also included in Table 2. A site plan is included as Figure 1 and concentration versus time graphs for dissolved TPHg, benzene, and MtBE in monitoring wells MW-2 and MW-4 are provided as Figure 2 and Figure 3, respectively. Certified laboratory analytical reports and chain-

S E C O R

of-custody documentation for the groundwater monitoring events conducted during the current quarter are provided in Attachment 2.

CHARACTERIZATION STATUS

Contamination in soil and groundwater has been adequately delineated.

RECENT SUBMITTALS/CORRESPONDENCE

Submitted - Fourth Quarter Remedial Performance Summary dated January 13, 2005.

WASTE DISPOSAL SUMMARY

The volume of purged groundwater generated and disposed of during the quarterly groundwater monitoring event will be reported in TRC's quarterly report.

DISCUSSION

During the first quarter 2005, depth to groundwater ranged between 4.30 and 10.90 feet bgs, which was in range of historical levels. The current direction of groundwater flow is toward the northwest.

Evaluation of dissolved concentrations through the first quarter 2005 indicates that the highest concentrations of residual petroleum hydrocarbons and MtBE continue to be detected in on-site well MW-2. TPPH was reported at its highest at 200 µg/L. Concentrations of TPPH and MtBE have fluctuated within historical levels over the short term, and in the long term, have generally declined over time. The dissolved plume remains defined by the existing monitoring well network.

The existing OS well network appears to be successfully remediating hydrocarbons dissolved in the groundwater downgradient of the former USTs. Remaining TPHg, benzene and MtBE continues to be present in MW-2 at concentration above water quality requirements. An adjustment to the ozone system will be made during the second quarter of 2005 to further remediate the area centered on MW-2. SECOR will continue to operate and evaluate the effectiveness of the OS system during the second quarter 2005.

THIS QUARTER ACTIVITIES (First Quarter 2005)

1. TRC conducted quarterly groundwater monitoring and sampling.
2. Performed operation and maintenance of the ozone system.
3. Prepared and submitted quarterly summary report and quarterly remedial performance summary.

S E C O R

NEXT QUARTER ACTIVITIES (Second Quarter 2005)

1. TRC to conduct coordinated quarterly groundwater monitoring and sampling.
2. Continue operation and maintenance of the ozone system.
3. Prepare and submit quarterly summary report which will include quarterly monitoring and sampling data (TRC) and a quarterly remedial performance summary.

S E C O R

TABLES

Table 1
Ozone Injection System Operarlling Data
 Circle K Store No. 01106
 1693 Central Avenue, McKinleyville, California

Date	Notes	OZONE SPARGE SYSTEM				Cumulative Online Factor	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	Pressure (psi)	AS-7
		System Status (On/Off)	Arrival	Departure	Hourmeter Reading							
1/7/2004		Off	Off	0	NA	NA	NA	NA	NA	NA	NA	NA
1/7/2004		Off	On	67	NA	NA	36	36	33	35	34	36
1/7/2004		On	On	207	0.76	0.76	37	35	32	34	34	32
1/30/2004	a	Off	On	233.06	0.22	0.55	39	37	36	35	35	32
2/4/2004	b	On	On	316.00	0.99	0.64	37	34	33	35	35	31
2/27/2004	c	Off	On	409.24	0.24	0.44	-	-	-	-	-	-
3/25/2004	d	Off	On	754.83	0.76	0.56	-	-	-	-	-	-
4/28/2004	e	On	On	1,247.43	0.86	0.66	-	-	-	-	-	-
6/11/2004	f	On	On	1,812.92	0.99	0.74	-	-	-	-	-	-
6/23/2004	g	Off	On	1,963.13	0.41	0.69	-	-	-	-	-	-
7/22/2004	h	On	On	2,446.77	0.99	0.74	35	34	30	34	32	29
8/25/2004	i	On	On	2,647.00	0.35	0.68	33	32	29	33	32	28
9/22/2004	j	Off	On	3,104.00	0.95	0.71	37	34	32	34	33	32
10/20/2004	a	Off	On	3,464.57	0.77	0.72	38	34	31	35	36	32
11/17/2004	k	On	On	3,933.81	1.02	0.74	38	37	33	36	35	31
12/16/2004	a	Off	On	4,256.42	0.66	0.74	37	38	32	36	35	30
1/12/2005	f	Off	On	4,599.00	0.56	0.72	-	-	-	-	-	-
2/3/2005	l	Off	Off	-	-	-	-	-	-	-	-	-
2/4/2005	m	Off	Off	-	-	-	-	-	-	-	-	-
2/18/2005	n	Off	On	4,599.00	-	-	-	-	-	-	-	-
2/21/2005	o	On	On	4,598.00	0.13	0.66	36	34	32	34	32	31
3/21/2005	p	Off	On	5,142.91	0.93	0.70	40	35	34	36	35	33
							Sparge time per Cycle (min)	10	10	10	10	10

Notes:

Cycle runs 18 times a day for a total of 1,260 minutes per day, or 87.5% utilization.

a System down due to tripped ozone sensor.

b Bad pressure gauge.

c May system check visit.

d Ashcroft Pressure Gage installed in sparge cabinet.

e System down due to bad GFI switch. Replaced and restarted.

f System down due to faulty wire.

g Site visit to repair faulty wire.

h Site visit to repair leaks at compressor outlet, SP-5 solenoid, SP-6 solenoid, and SP-7 solenoid and to re-program system. System reprogrammed to run 10 min. cycles for each well with 18 cycles a day for a total of 1260 min. a day.

i System restarted.

k Piston and cylinder replaced and system restarted.

Definitions:

- psi Pounds per square inch
- Data not available
- NA Not applicable

Table 2
Ozone Injection System Groundwater Monitoring Data
 Circle K Store No. 01106
 1693 Central Avenue, McKinleyville, California

Date	Notes	Monitoring Well: MW-2						Monitoring Well: MW-4									
		ORP (mV)	DO (mg/l)	TPHg (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethy-benzene (µg/l)	Xylenes (total) (µg/l)	MtBE (µg/l)	ORP (mV)	DO (mg/l)	TPHg (µg/l)	Benzene (µg/l)	Ethy-benzene (µg/l)	Toluene (µg/l)	Xylenes (total) (µg/l)	MtBE (µg/l)
4/28/2004		228	NS	180	38	14	2.1	16	57	NS	NS	NS	NS	NS	NS	NS	NS
5/26/2004		181	NS	640	130	50	9.1	54	180	154	NS	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
6/23/2004		180	NS	1,000	45	12	5.2	11	860	133	NS	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
7/21/2004		205	4.33	<500	<5.0	<5.0	<5.0	<10	560	232	2.94	<50	<0.50	<0.50	<1.0	<0.50	<0.50
8/25/2004	a	179	NS	450	3.5	<2.5	<2.5	<5.0	590	202	NS	<50	<0.50	<0.50	<1.0	<0.50	<0.50
9/22/2004	a	163	4.50	120	<0.50	<0.50	<0.50	<1.0	160	180	2.75	<50	<0.50	<0.50	<1.0	<0.50	<0.50
10/20/2004	b	126	0.56	73	<0.50	<0.50	<0.50	<1.0	82	180	1.98	<50	<0.50	<0.50	<1.0	<0.50	<0.50
11/17/2004		62	5.87	<50	<0.50	<0.50	<0.50	<1.0	28	119	1.93	<50	<0.50	<0.50	<1.0	5.1	<0.50
12/16/2004		152	2.36	<100	<1.0	<1.0	<1.0	<2.0	290	173	1.93	<50	<0.50	<0.50	<1.0	<0.50	<0.50
1/12/2005		151	6.36	150	3.6	3.1	1.8	5.1	58	160	2.17	<50	<0.50	<0.50	<1.0	<0.50	<0.50
2/21/2005		90	3.80	880	220	88	11	100	460	99	2.97	<50	<0.50	<0.50	<1.0	<0.50	<0.50
3/21/2005		46	5.16	500	31	6.9	<0.5	14	680	-15	4.08	<50	<0.50	<0.50	<1.0	<0.50	<0.50

Definitions:

TPHg Total petroleum hydrocarbons as gasoline
 MtBE Methyl tert-butyl ether
 ug/l Micrograms per liter
 mg/l Milligrams per liter
 mV Millivolts
 NS Not Sampled

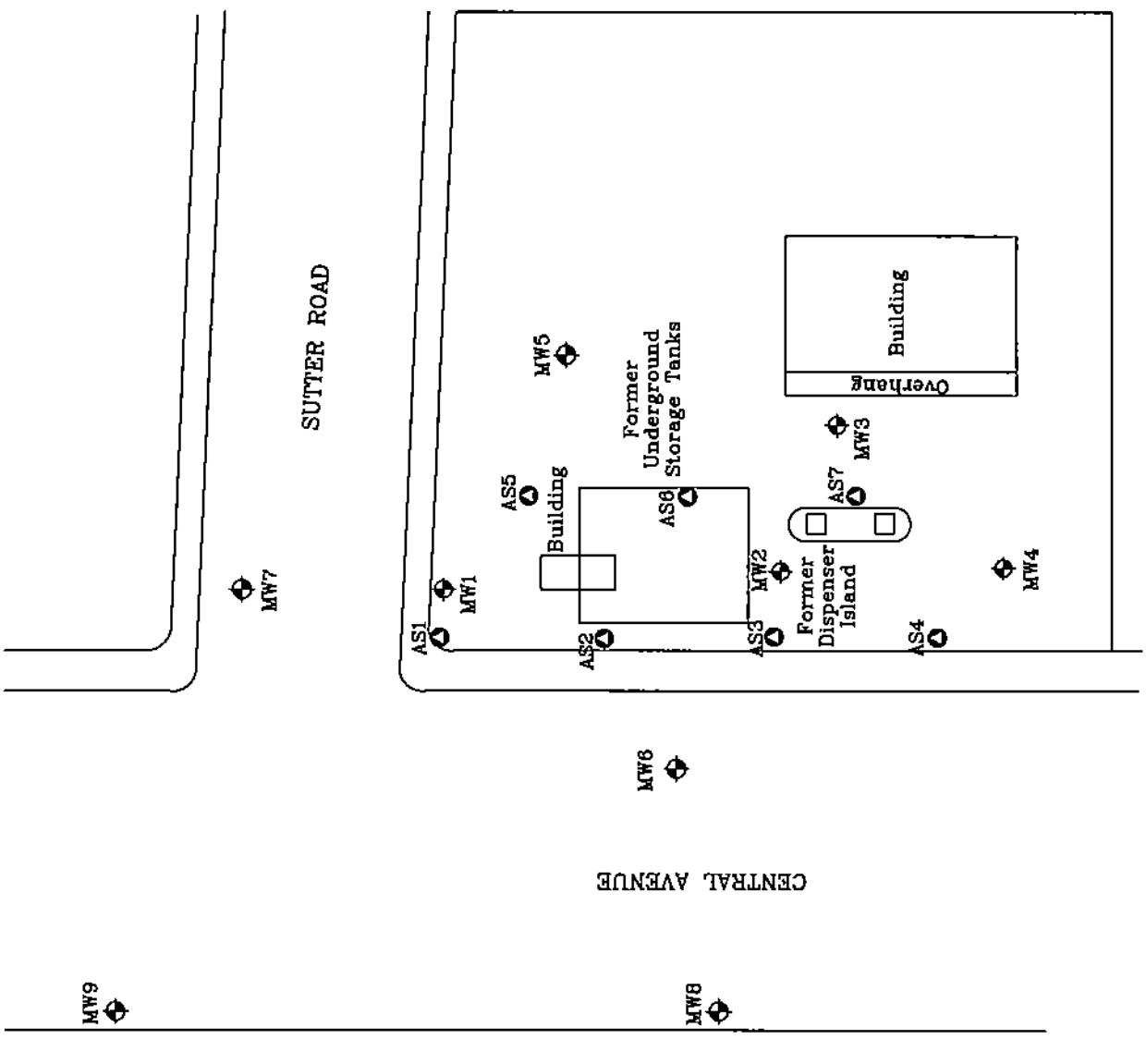
Notes:

- a MW-2 Sample contains discrete peak in gasoline range.
- b MW-2 TPHg concentration reported reflects individual or discrete unidentified peaks not matching a typical fuel pattern.
- c Data not available at time of reporting.

FIGURES

LEGEND:

- MW1 GROUNDWATER MONITORING WELL
- ASS AIR SPARGE WELL



120
60
0 FEET
APPROXIMATE SCALE

REFERENCE: THIS FIGURE IS BASED ON A MAP
PROVIDED BY ERI INC.

DRAWN BY: DWR
CHECKED: AG
APPROVED: RB
DATE: 7/19/04
JOB NO.: 77CP.60004.01.1109
CAD FILE: M:\ACAD\

SECOR
3017 KILGORE ROAD, SUITE 100
RANCHO CORDOVA, CA 95670

PREPARED FOR:
FORMER
(CIRCLE K) STORE 01106
1693 CENTRAL AVENUE
MCKINLEYVILLE, CALIFORNIA

FIGURE 1
SITE PLAN

Figure 2
MW-2 TPHg, Benzene, and MtBE Groundwater Concentrations
 Circle K Store No. 01106
 1693 Central Avenue, McKinleyville, California

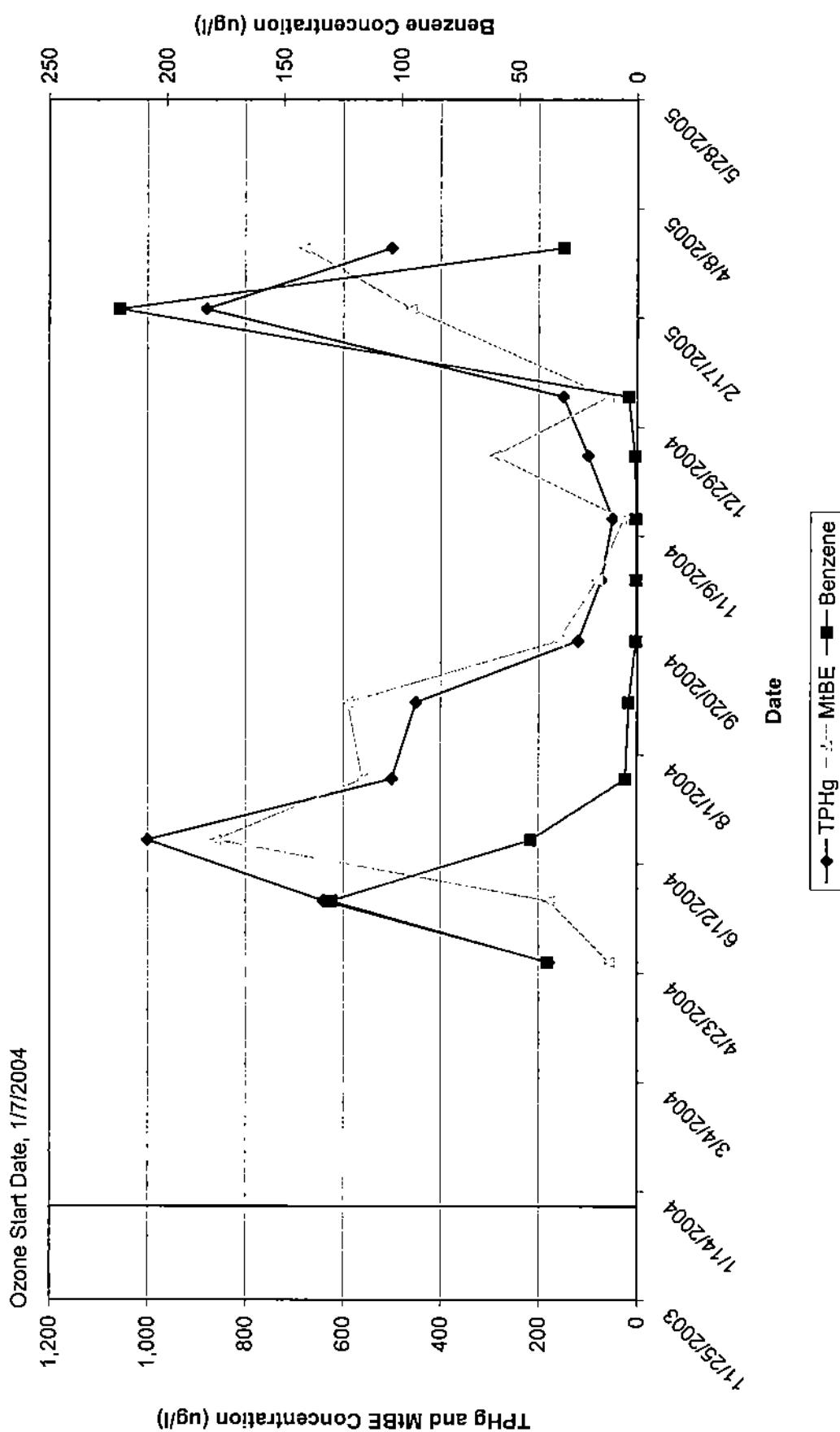
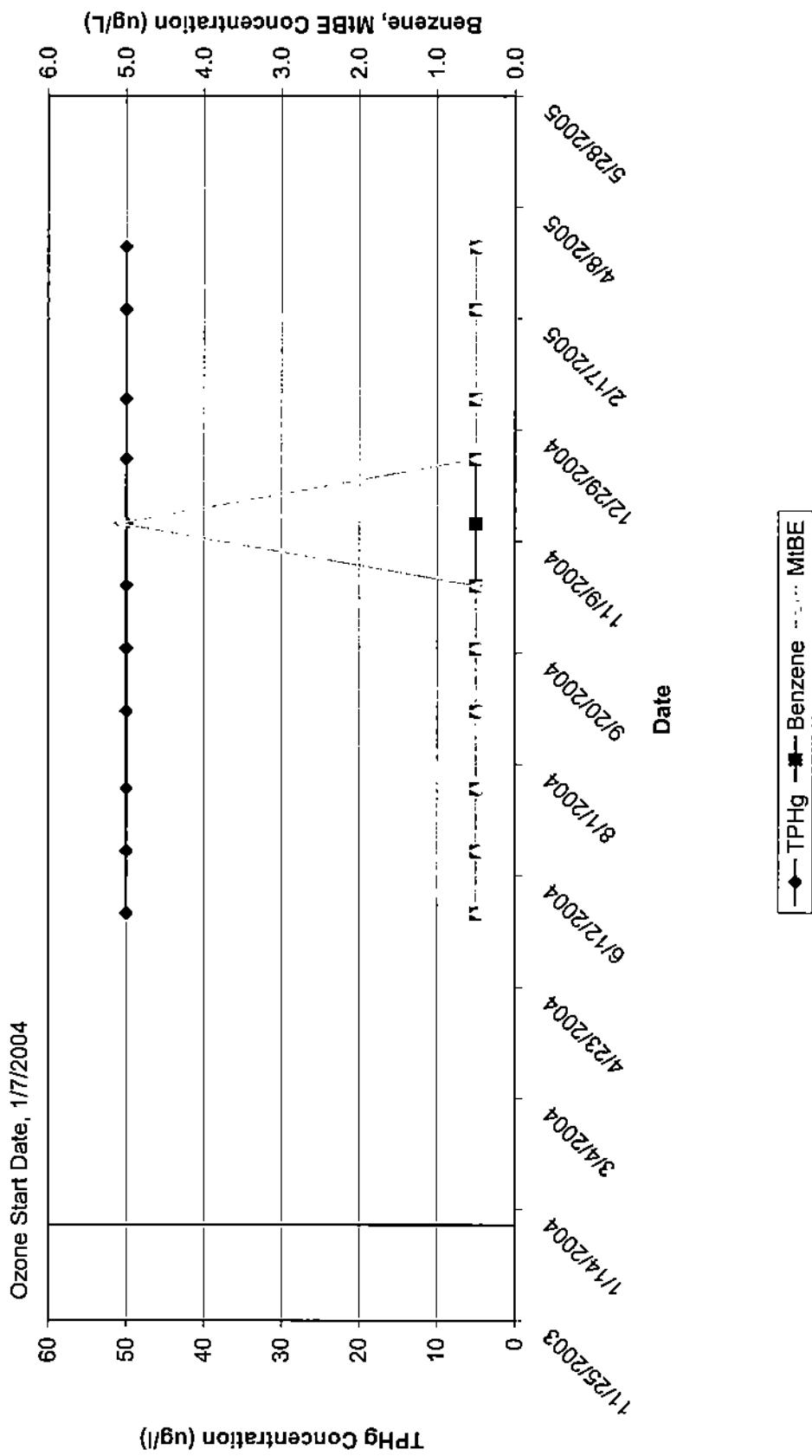


Figure 3
MW-4 TPHg, Benzene, and MIBE Groundwater Concentrations
Circle K Store No. 01106
1693 Central Avenue, McKinleyville, California



**ATTACHMENT 1
FIELD DATA SHEETS**

Quarterly Remedial Performance Summary

Former 76 Station No. 01106

1693 Central Ave.

McKinleyville, CA

April 14, 2005



ENGINEERS & GEOLOGISTS

812 W. Wabash Ave.
Eureka, CA 95501-2138

Tel. 707/441-8855
Fax: 707/441-8877

JOB COP - McKinleyville - 003334.205
SHEET NO. 1 OF 1
CALCULATED BY C. Fisher DATE 3rd Feb '05
CHECKED BY _____ DATE _____
SCALE _____

1106

Field Notes

- On site to inspect O₃ system.
- System shut down due to lack of power (AC) to main system connections.
- 120 VAC present @ line side of GFI protection device.
- 120 VAC not present @ load side of GFI protection device.
- Inspected connections @ GFI protection device.
- Hot wire on line side of GFI was damaged due to faulty electrical connection.
- Trimmed off damaged portion of wire (~2 inches) and ~~reconnected~~ reconnected wire.
- System is operational.
- Detected O₃ gas from leaking fittings/connection.
 - ↳ Source unknown.
 - ↳ Require soapy solution to locate leak.
- Need distribution program to program timer.
- The wires of the 1KVA C-Space unit are undersized.
 - ↳ 16 AWG wire is too small for 20 Amps.





ENGINEERS & GEOLOGISTS

812 W. Wabash Ave.
Eureka, CA 95501-2138

Tel. 707/441-8855
Fax: 707/441-8877

JOB COP-MkI 003334.zos

1 OF 2

CALCULATED BY C. Fisher DATE 4/05 Feb 6 '05

CHECKED BY _____ DATE _____

SCALE _____

Field Notes

- Inspected system for leaks with O₃ generator off.
- Repaired leaks at compressor outlet, SP-5 solenoid, SP-6 solenoid, & SP-7 solenoid.
- Programmed system to run per attached sheet.
(7 well system)
- Inspected air compressor
 - [] Requires new starter capacitor.
 - [] Requires new piston.
 - [] Requires new cylinder sleeve.
- Air compressor hesitates at start-up.
- Monitored O₃ levels inside enclosure with O₃ generator ON - 0.00 ppm.

COP-Mk 003334.205
Page 5 of 10

Z of Z
4/17/05

INITIAL PROGRAM FOR 7 WELL C-SPARGE™ SYSTEM
All stations with equal time

Station #	Well Number	Function	Day Cycle	Run Time	Programs
1	SP #	Sparge	1	10	A, B & C
2	SP #	Sparge	1	10	A, B & C
3	SP #	Sparge	1	10	A, B & C
4	SP #	Sparge	1	10	A, B & C
5	SP #	Sparge	1	10	A, B & C
6	SP #	Sparge	1	10	A, B & C
7	SP #	Sparge	1	10	A, B & C
8		Rest	1	0	A, B & C
9		Rest	1	0	A, B & C

Start Times	A	B	C
1	12:00 am	8:00 am	4:00 pm
2	1:20 am	9:20 am	5:20 pm
3	2:40 am	10:40 am	6:40 pm
4	4:00 am	12:00 pm	8:00 pm
5	5:20 am	1:20 pm	9:20 pm
6	6:40 am	2:40 pm	10:40 pm

Make sure that the DAY CYCLE setting is on "1" for ALL programs A, B & C.

RUN Times must be set for ALL programs A, B & C.

System Running at 87.5% Capacity

Total Run Time per Well: 10 minutes x 18 cycles/day = 180 minutes = 3:00/day

System Total Run Time: 180 minutes x 7 stations = 1,260 minutes = 21:00/day

System Total Rest Time: 10 minutes x 18 cycles = 180 minutes = 3:00/day

Field Data Sheet
Ozone Sparge System

ConocoPhillips Site # 1106

McKinleyville, California

Requested By: Amy Draffan
Lab: STL



Field Data Sheet
Ozone Sparge System

ConocoPhillips Site # 1106

McKinleyville, California

Requested By: Amy Draffan
Lab: STL

System Maintenance	Frequency	Date Performed
Check Integrity of All Hoses, Fittings, Piping, Valves	Monthly	/
Measure Blower Running Ampereage	Monthly	/
Air Filter-Visually Inspect	Monthly	/
Sparge Blower-Check V-belt Tension and Condition	Monthly	/
Sparge Blower-Grease Bearings	Monthly	/
Check/Test All Safety Override systems	Monthly	/
Sample Monitoring Wells	Monthly	/
Sparge Blower-Replace Oil	Bi-monthly	/
Sparge Blower-Adjust or Replace as Necessary	As Needed	/
Air Filter-Replace as Necessary	As Needed	/

NOTES AND DESCRIPTION OF ACTIVITIES ON SITE

1/25 PG & E HAS SHUT OFF Power TO SYSTEM

SECOR ASSOCIATES
CONSULTING ENGINEERS

21 West Fourth Street, Eureka, CA 95501
TEL 707.443.5054
FAX 707.443.0553

Page 1 of 1

Project

Name: Secor McKinnleyville

Tech: BWN

Project No.: 5666.D1

Move/Demove time: 2.5 / 2.5

Date: 1/12/2005

Travel time: 5 / 5

Global ID No.:

Time on site: 14:45

PM: CJW

Time off site: 16:10

Mileage: m/c

WEEL No.:	MW-2	MW-4									
DIAMETER (in)	2.00	2.00									
SCREENED INTERVAL (ft)											
DEPTH TO WATER (ft)	406	387									
	INITIAL	FINAL	INITIAL	FINAL	INITIAL	FINAL	INITIAL	FINAL	INITIAL	FINAL	
PH											
TEMP (°C)											
ECM (µmho)											
ORP (mV)	147	151	157	160							
DO (mg/L)	6.73	6.36	2.52	2.17							
OTHER (units)											
	TIME	1510	1516	1544	1548						
PURGE	METHOD (DHP/CB/B)	DHP		DHP							
	RATE (L/min)	0.25 L/min		0.3 L/min							
	VOLUME (L)	1.8 L		1.5 L							
	COLOR	CLEAR →	BROWN → CLEAR								
	ODOR	NONE	NONE								
	INTAKE DEPTH (FEET)	12.00		12.00							
SAMPLE	TIME	1517		1549							
	METHOD (DHP/CB/B)	DHP		DHP							
	ANALYTES										
	TOTAL DRAWDOWN (FEET)	0.96		0.72							
	REMARKS	Box full of H ₂ O - same									
	WELL CONDITION	Good									
	WASTE DRUMS										

DHP=DOWNDHOLE PUMP CB=CHECK BALL B=BALER FD=FIELD DUPLICATE MO=METHOD SPLIT FF=FIELD FILTERED

REVISED: 10/20/04



21 West Fourth Street, Eureka, CA 95501

TEL 707.443.5054

FAX 707.443.0553

Project Name:

Project No: SECOR MCKINLEYVILLE
5666.01

Tech: BwB

Date: 1/12/05

REVISED: 11/7/2001

Field Data Sheet
Ozone Sparge System

ConocoPhillips Site # 1106
1693 Central Ave.
McKinleyville, California

Requested By: Ben Wolfe
Lab: STL

Initials	Date	Time	System Status on Arrival On/Off	Electrical Meter Reading	Ozone Meter Brand Range	Hourmeter	Ozone Readings			
2/21/05	1125	off	18754	ECO	.01 - 10 ppm	4/598	0	0	0	0

Initials	Date	Well Data									
		1	2	3	4	5	6	7	O ₃	Press	O ₃
2/21/05	36	0	34	0	32	0	34	0	32	0	31

Measurement units: psi ppm psi ppm psi ppm psi ppm psi ppm psi ppm psi ppm

Initials	Date	Monthly Sampling				System Status on Departure (On/Off)	Ozone Badge Color (White/Tan/Brown)	Departure Time
		MW-2	MW-4	ORP (mV)	DO (mg/l)			
2/18/05	61-3	90	3.80	99	2.97	On	Black	1:500

Field Data Sheet
Ozone Sparge System

ConocoPhillips Site # 1106
1693 Central Ave.
McKinleyville, California

ConocoPhillips Site # 1106

1693 Central Ave.

McKinleyville, California

ConocoPhillips Site # 1106

1693 Central Ave.

McKinleyville, California

Requested By: Ben Wolfe

10

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System Maintenance	Frequency	Date Performed
Check Integrity of All Hoses, Fittings, Piping, Valves	Monthly	2/8/05
Measure Blower Running Amperage	Monthly	
Inspect electrical fittings and tighten as needed	Monthly	X
Gross particle filter-visualy inspect	Monthly	X
Gross particle filter-replace as necessary	As-Needed	X
Check controller operation	Monthly	X
Adjust controller program	As-Needed	
Check flow and pressure on assemblies (system and wells)	Monthly	X
Take ozone readings at compound and well boxes	Monthly	X
Check wellhead connections	Monthly	X
Check/test all' safety override systems	Monthly	X
Sparge blower-repair as necessary	As-Needed	X
Sparge blower-replace as necessary	As-Needed	X

STL-San Francisco

ConocoPhillips Chain Of Custody Record

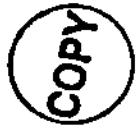
Field Data Sheet
Ozone Sparge System

**ConocoPhillips Site # 1106
1693 Central Ave.
McKinleyville, California**

Requested By: Kimber Collins
Lab: STL

Initials	Date	Time	System Status on Arrival On/Off	Electrical Meter Reading		Ozone Meter		Humimeter	Outside Compound (ppm)	Inside Compound (ppm)	Inside Shed/Panel (ppm)	Secondary Containment (ppm)
				Brand	Range	Brand	Range					
DCJ	3/21/05	0923	On	ED	0-10	ED	0-10	5142.91	0	0	0	0

Initials	Date	Weather Conditions (estimated)				Monthly Sampling				System Status on Departure (On/Off)	Ozone Badge Color (White/Tan/Br own)	Departure Time
		Wind Dir.	Wind Speed	Temp in Ozone Panel	MW-2	ORP (mV)	DO (mg/L)	ORP (mV)	DO (mg/L)			
DCJ	3/4/05	N	2-5 mph	54.7	1120	46	5.16	-15	4.08	On	Blue	1200



Field Data Sheet
Ozone Sparge System

ConocoPhillips Site # 1106
1693 Central Ave.
McKinleyville, California

ConocoPhillips Site # 1106

Requested By: Kimber Collins
Lab: STL

System Maintenance	Frequency	Date Performed
Check Integrity of All Hoses, Fittings, Piping, Valves	Monthly	3/2/05
Measure Blower Running Amperage	Monthly	10.5A
Inspect electrical fittings and tighten as needed	Monthly	
Gross particle filter-visualy inspect	Monthly	
Gross particle filter-replace as necessary	As-Needed	
Check controller operation	Monthly	
Adjust controller program	As-Needed	3/2/05
Check flow and pressure on assemblies (system and wells)	Monthly	
Take ozone readings at compound and well boxes	Monthly	
Check wellhead connections	Monthly	
Check/test all safety override systems	Monthly	3/2/05
Sparge blower-repair as necessary	As-Needed	
Sparge blower-replace as necessary	As-Needed	

SIL-San Francisco

ConocoPhillips Site Manager:

1220 Quarry Lane
Pleasanton, CA 94566
(925) 484-1919 (925) 484-1096 fax

SAMPLING COMPANY: SECOR International Inc	VALUATION ID: 1106	CONOCOPHILLIPS SITE NUMBER: 1106	CONOCOPHILLIPS SITE MANAGER: Attn: Dee Hutchinson 3611 South Harbor, Suite 200 Santa Ana, CA 92704	DATE: 3/21/05
ADDRESS: 3017 Kilgore Rd Suite 100, Rancho Cordova, CA 95670	SITE ADDRESS (Street and City): 1693 Central Ave., McKinleyville, CA			PAGE: 1 of 1
PROJECT CONTACT (Handcopy or PDF Report to): Kimber Collins	TELEPHONE: (916) 861-0400	FAX: (916) 861-0430	E-MAIL: kcollins@secor.com, gsimms@secor.com	EDF DELIVERABLE TO (PDF or Diagnostic): Kimbear Collins, Grace Sims and Casey Sanders
SAMPLER NAME(S) (PDF):	CONSULTANT PROJECT NUMBER: 77CP.60004.01.1106			PHONE NO.: Ed Ralston
TURNAROUND TIME (CALENDAR DAYS): <input checked="" type="checkbox"/> 14 DAYS <input type="checkbox"/> 7 DAYS <input type="checkbox"/> 24 HOURS <input type="checkbox"/> 48 HOURS <input type="checkbox"/> 24 HOURS <input type="checkbox"/> LESS THAN 24 HOURS				E-MAIL: kcollins@secor.com
SPECIAL INSTRUCTIONS OR NOTES: Please send EDF, PDF deliverable to kcollins@secor.com, gsimms@secor.com, and csanders@secor.com	CHECK BOX IF EDD IS NEEDED <input checked="" type="checkbox"/>			EMAIL: kcollins@secor.com

Please send EDF, PDF deliverable to kcollins@secor.com, gsimms@secor.com, and csanders@secor.com

• Field Point name only required if different from Sample ID
Sample Identification/Field Point Name*

Sample ID	Sample Name*	Identification/Field Point Name*	SAMPLING DATE	MATRIX	NO. OF CONT.
	MW-2		3/21/05	Water	3
	MW-4		1/20	Water	3

FIELD NOTES:
Container/Preservative
or PID Readings
or Laboratory Notes

TEMPERATURE ON RECEIPT °C

8015M - TP42B - TP/Hg/BTEX/MTRB

8270C - Semi-Volatiles

8260B - Full Scan VOCs (does not include oxygenates + methanol (8015M))

8260B - TP/Hg/BTEX / 8 Oxygenates

8260B - TP/Hg/BTEX / 8 Oxygenates

8260B - TP/Hg/BTEX/MTRB

Lead Detail DSTLC DTCLP

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8270C - Semi-Volatiles

8260B -

**ATTACHMENT 2
CERTIFIED LABORATORY ANALYTICAL REPORTS AND
CHAIN-OF-CUSTODY DOCUMENTATION**

Quarterly Remedial Performance Summary

Former 76 Station No. 01106

1693 Central Ave.

McKinleyville, CA

April 14, 2005

SECOR-Sacramento

January 28, 2005

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670

Attn.: Amy Draffan

Project#: 5666.01

Project: Conoco Philips Site # 1106

Site: 1693 Central Avenue, McKinleyville, California

Attached is our report for your samples received on 01/14/2005 09:50

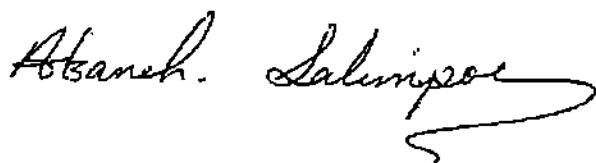
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 02/28/2005 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.

You can also contact me via email. My email address is: asalimpour@stl-inc.com

Sincerely,



Afsaneh Salimpour
Project Manager

Gas/BTEX/MTBE by 8260B

SECOR-Sacramento

Attn.: Amy Draffan

3017 Kilgore Road, Suite 100

Rancho Cordova, CA 95670

Phone: (916) 861-0400 Fax: (916) 861-0430

Project: 5666.01

Received: 01/14/2005 09:50

Conoco Philips Site # 1106

Site: 1693 Central Avenue, McKinleyville,
California**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
MW4	01/12/2005	Water	1
MW2	01/12/2005	Water	2

Gas/BTEX/MTBE by 8260B

SECOR-Sacramento

Attn.: Amy Draffan

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Phone: (916) 861-0400 Fax: (916) 861-0430

Project: 5666.01

Received: 01/14/2005 09:50

Conoco Philips Site # 1106

Site: 1693 Central Avenue, McKinleyville,
California

Prep(s): 5030B Test(s): 8260B
Sample ID: MW4 Lab ID: 2005-01-0414 - 1
Sampled: 01/12/2005 Extracted: 1/21/2005 10:53
Matrix: Water QC Batch#: 2005/01/21-1B.64

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	01/21/2005 10:53	
Benzene	ND	0.50	ug/L	1.00	01/21/2005 10:53	
Toluene	ND	0.50	ug/L	1.00	01/21/2005 10:53	
Ethylbenzene	ND	0.50	ug/L	1.00	01/21/2005 10:53	
Total xylenes	ND	1.0	ug/L	1.00	01/21/2005 10:53	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	01/21/2005 10:53	
<i>Surrogate(s)</i>						
1,2-Dichloroethane-d4	115.9	73-130	%	1.00	01/21/2005 10:53	
Toluene-d8	102.5	81-114	%	1.00	01/21/2005 10:53	

Gas/BTEX/MTBE by 8260B

SECOR-Sacramento

Attn.: Amy Draffan

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Phone: (916) 861-0400 Fax: (916) 861-0430

Project: 5666.01

Received: 01/14/2005 09:50

Conoco Philips Site # 1106

Site: 1693 Central Avenue, McKinleyville,
California

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW2	Lab ID:	2005-01-0414 - 2
Sampled:	01/12/2005	Extracted:	1/22/2005 16:19
Matrix:	Water	QC Batch#:	2005/01/22-1C.69

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	150	50	ug/L	1.00	01/22/2005 16:19	
Benzene	36	0.50	ug/L	1.00	01/22/2005 16:19	
Toluene	3.1	0.50	ug/L	1.00	01/22/2005 16:19	
Ethylbenzene	1.8	0.50	ug/L	1.00	01/22/2005 16:19	
Total xylenes	5.1	1.0	ug/L	1.00	01/22/2005 16:19	
Methyl tert-butyl ether (MTBE)	58	0.50	ug/L	1.00	01/22/2005 16:19	
Surrogate(s)						
1,2-Dichloroethane-d4	107.4	73-130	%	1.00	01/22/2005 16:19	
Toluene-d8	106.9	81-114	%	1.00	01/22/2005 16:19	

Gas/BTEX/MTBE by 8260B

SECOR-Sacramento

Attn.: Amy Draffan

3017 Kilgore Road, Suite 100

Rancho Cordova, CA 95670

Phone: (916) 861-0400 Fax: (916) 861-0430

Project: 5666.01

Received: 01/14/2005 09:50

Conoco Philips Site # 1106

Site: 1693 Central Avenue, McKinleyville,
California

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Method Blank

Water

QC Batch # 2005/01/21-1B.64

MB: 2005/01/21-1B.64-057

Date Extracted: 01/21/2005 08:57

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	01/21/2005 08:57	
Benzene	ND	0.5	ug/L	01/21/2005 08:57	
Toluene	ND	0.5	ug/L	01/21/2005 08:57	
Ethylbenzene	ND	0.5	ug/L	01/21/2005 08:57	
Total xylenes	ND	1.0	ug/L	01/21/2005 08:57	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	01/21/2005 08:57	
Surrogates(s)					
1,2-Dichloroethane-d4	104.4	73-130	%	01/21/2005 08:57	
Toluene-d8	113.8	81-114	%	01/21/2005 08:57	

Gas/BTEX/MTBE by 8260B

SECOR-Sacramento

Attn.: Amy Draffan

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Phone: (916) 861-0400 Fax: (916) 861-0430

Project: 5666.01

Received: 01/14/2005 09:50

Conoco Philips Site # 1106

Site: 1693 Central Avenue, McKinleyville,
California

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Method Blank

Water

QC Batch # 2005/01/22-1C.69

MB: 2005/01/22-1C.69-052

Date Extracted: 01/22/2005 08:52

Compound	Conc.	RL	Unit	Analyzed	Flag
Benzene	ND	0.5	ug/L	01/22/2005 08:52	
Toluene	ND	0.5	ug/L	01/22/2005 08:52	
Ethylbenzene	ND	0.5	ug/L	01/22/2005 08:52	
Total xylenes	ND	1.0	ug/L	01/22/2005 08:52	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	01/22/2005 08:52	
Surrogates(s)					
1,2-Dichloroethane-d4	94.2	73-130	%	01/22/2005 08:52	
Toluene-d8	108.2	81-114	%	01/22/2005 08:52	

Gas/BTEX/MTBE by 8260B

SECOR-Sacramento

Attn.: Amy Draffan

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Phone: (916) 861-0400 Fax: (916) 861-0430

Project: 5666.01
Conoco Philips Site # 1106

Received: 01/14/2005 09:50

Site: 1693 Central Avenue, McKinleyville,
California

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2005/01/21-1B.64

LCS 2005/01/21-1B.64-024
LCSD

Extracted: 01/21/2005

Analyzed: 01/21/2005 10:24

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	23.6		25	94.4			65-165	20		
Benzene	23.3		25	93.2			69-129	20		
Toluene	22.5		25	90.0			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	489		500	97.8			73-130			
Toluene-d8	519		500	103.8			81-114			

Gas/BTEX/MTBE by 8260B

SECOR-Sacramento

Attn.: Amy Draffan

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Phone: (916) 861-0400 Fax: (916) 861-0430

Project: 5666.01
Conoco Philips Site # 1106

Received: 01/14/2005 09:50

Site: 1693 Central Avenue, McKinleyville,
California

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2005/01/22-1C.69

LCS 2005/01/22-1C.69-034
LCSD

Extracted: 01/22/2005

Analyzed: 01/22/2005 08:34

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	23.7		25	94.8			65-165	20		
Benzene	22.4		25	89.6			69-129	20		
Toluene	23.1		25	92.4			70-130	20		
<i>Surrogates(s)</i>										
1,2-Dichloroethane-d4	462		500	92.4			73-130			
Toluene-d8	504		500	100.8			81-114			

Gas/BTEX/MTBE by 8260B

SECOR-Sacramento

Attn.: Amy Draffan

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Phone: (916) 861-0400 Fax: (916) 861-0430

Project: 5666.01

Received: 01/14/2005 09:50

Conoco Philips Site # 1106

Site: 1693 Central Avenue, McKinleyville,
California

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Water

QC Batch # 2005/01/21-1B.64

MS/MSD

Lab ID: 2005-01-0425 - 001

MS: 2005/01/21-1B.64-004

Extracted: 01/21/2005

Analyzed: 01/21/2005 13:04

MSD: 2005/01/21-1B.64-026

Extracted: 01/21/2005

Analyzed: 01/21/2005 13:26

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	29.8	28.8	ND	25	119.2	115.2	3.4	65-165	20		
Benzene	27.0	26.6	ND	25	108.0	106.4	1.5	69-129	20		
Toluene	26.8	27.3	ND	25	107.2	109.2	1.8	70-130	20		
<i>Surrogate(s)</i>											
1,2-Dichloroethane-d4	496	504		500	99.2	100.7		73-130			
Toluene-d8	502	510		500	100.4	102.0		81-114			

Gas/BTEX/MTBE by 8260B

SECOR-Sacramento

Attn.: Amy Draffan

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Phone: (916) 861-0400 Fax: (916) 861-0430

Project: 5666.01
Conoco Philips Site # 1106

Received: 01/14/2005 09:50

Site: 1693 Central Avenue, McKinleyville,
California

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Water

QC Batch # 2005/01/22-1C.69

MS/MSD

Lab ID: 2005-01-0442 - 004

MS: 2005/01/22-1C.69-013

Extracted: 01/22/2005

Analyzed: 01/22/2005 13:13

MSD: 2005/01/22-1C.69-032

Extracted: 01/22/2005

Analyzed: 01/22/2005 13:32

Dilution: 1.00

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	49.8	47.5	22	25	111.2	102.0	8.6	65-165	20		
Benzene	25.2	27.2	ND	25	100.8	108.8	7.6	69-129	20		
Toluene	27.6	26.3	ND	25	110.4	105.2	4.8	70-130	20		
<i>Surrogate(s)</i>											
1,2-Dichloroethane-d4	517	485		500	103.4	97.0		73-130			
Toluene-d8	528	493		500	105.6	98.6		81-114			

STL-San Francisco

ConocoPhillips Site Manager:

C22D County Law

Pleasanton, CA 94566

(925) 425-1919 (925) 454-1036 fax

MSD-044

INVOICE REMITTANCE ADDRESS:

CONOCOPHILLIPS
ATTN: Vickie Hutchinson
3511 South Harbor, Suite 200
Santa Ana, CA 92704

ConocoPhillips Work Productivity

DATE: 1/12/2005

PAGE: 1 of 1

FAX:

TIME:

09:50

FAX NUMBER:

SECCOR International Inc.

ADDRESS:

1015

TELEPHONE:

3017 Kilgore Rd Suite 100, Rancho Cordova, CA 95670

FAX NUMBER:

(916) 861-0430 ext 235

TELEFAX:

(916) 951-0430

E-MAIL:

vickie.hutchinson@seccor.com

TELETYPE:

5556.D3

TELETYPE ID:

Amy Druffin

TELETYPE NUMBER:

(916) 861-0430 ext 235

TELETYPE ADDRESS:

vickie.hutchinson@seccor.com

TELETYPE TIME:

10:00 AM

TELETYPE DAY:

MONDAY

TELETYPE MONTH:

JANUARY

TELETYPE YEAR:

2005

TELETYPE PAGE:

1

TELETYPE LINE:

1

TELETYPE LINE:</

SECOR-Sacramento

March 10, 2005

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670

Attn.: Ben Wolfe

Project: Conoco Philips Site # 1106

Site: 1693 Central Avenue, McKinleyville, CA

Attached is our report for your samples received on 02/24/2005 09:45

This report has been reviewed and approved for release. Reproduction of this report
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after
04/10/2005 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions,
please call me at (925) 484-1919.

You can also contact me via email. My email address is: asalimpour@stl-inc.com

Sincerely,



Afsaneh Salimpour
Project Manager

Gas/BTEX/MTBE by 8260B

SECOR-Sacramento

Attn.: Ben Wolfe

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Phone: (916) 861-0400 Fax: (916) 861-0430

Project: Conoco Philips Site # 1106

Received: 02/24/2005 09:45

Site: 1693 Central Avenue, McKinleyville, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-2	02/21/2005 14:15	Water	1
MW-4	02/21/2005 13:10	Water	2

Gas/BTEX/MTBE by 8260B

SECOR-Sacramento

Attn.: Ben Wolfe

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Phone: (916) 861-0400 Fax: (916) 861-0430

Project: Conoco Philips Site # 1106

Received: 02/24/2005 09:45

Site: 1693 Central Avenue, McKinleyville, CA

Prep(s): 5030B Test(s): 8260B
Sample ID: MW-2 Lab ID: 2005-02-0709 - 1
Sampled: 02/21/2005 14:15 Extracted: 3/2/2005 23:55
Matrix: Water QC Batch#: 2005/03/02-2B.62

Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	880	250	ug/L	5.00	03/02/2005 23:55	
Benzene	220	2.5	ug/L	5.00	03/02/2005 23:55	
Toluene	88	2.5	ug/L	5.00	03/02/2005 23:55	
Ethylbenzene	11	2.5	ug/L	5.00	03/02/2005 23:55	
Total xylenes	100	5.0	ug/L	5.00	03/02/2005 23:55	
Methyl tert-butyl ether (MTBE)	460	2.5	ug/L	5.00	03/02/2005 23:55	
<i>Surrogate(s)</i>						
1,2-Dichloroethane-d4	108.9	73-130	%	5.00	03/02/2005 23:55	
Toluene-d8	106.3	81-114	%	5.00	03/02/2005 23:55	

Gas/BTEX/MTBE by 8260B

SECOR-Sacramento

Attn.: Ben Wolfe

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670
Phone: (916) 861-0400 Fax: (916) 861-0430

Project: Conoco Philips Site # 1106

Received: 02/24/2005 09:45

Site: 1693 Central Avenue, McKinleyville, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-4	Lab ID:	2005-02-0709 - 2
Sampled:	02/21/2005 13:10	Extracted:	3/3/2005 00:21
Matrix:	Water	QC Batch#:	2005/03/02-2B.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	03/03/2005 00:21	
Benzene	ND	0.50	ug/L	1.00	03/03/2005 00:21	
Toluene	ND	0.50	ug/L	1.00	03/03/2005 00:21	
Ethylbenzene	ND	0.50	ug/L	1.00	03/03/2005 00:21	
Total xylenes	ND	1.0	ug/L	1.00	03/03/2005 00:21	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	03/03/2005 00:21	
<i>Surrogate(s)</i>						
1,2-Dichloroethane-d4	116.5	73-130	%	1.00	03/03/2005 00:21	
Toluene-d8	108.4	81-114	%	1.00	03/03/2005 00:21	

Gas/BTEX/MTBE by 8260B

SECOR-Sacramento

Attn.: Ben Wolfe

3017 Kilgore Road, Suite 100

Rancho Cordova, CA 95670

Phone: (916) 861-0400 Fax: (916) 861-0430

Project: Conoco Philips Site # 1106

Received: 02/24/2005 09:45

Site: 1693 Central Avenue, McKinleyville, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Method Blank

Water

QC Batch # 2005/03/02-2B.62

MB: 2005/03/02-2B.62-058

Date Extracted: 03/02/2005 19:58

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	03/02/2005 19:58	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	03/02/2005 19:58	
Benzene	ND	0.5	ug/L	03/02/2005 19:58	
Toluene	ND	0.5	ug/L	03/02/2005 19:58	
Ethylbenzene	ND	0.5	ug/L	03/02/2005 19:58	
Total xylenes	ND	1.0	ug/L	03/02/2005 19:58	
Surrogates(s)					
1,2-Dichloroethane-d4	108.2	73-130	%	03/02/2005 19:58	
Toluene-d8	103.2	81-114	%	03/02/2005 19:58	

Gas/BTEX/MTBE by 8260B

SECOR-Sacramento

Attn.: Ben Wolfe

3017 Kilgore Road, Suite 100

Rancho Cordova, CA 95670

Phone: (916) 861-0400 Fax: (916) 861-0430

Project: Conoco Philips Site # 1106

Received: 02/24/2005 09:45

Site: 1693 Central Avenue, McKinleyville, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike**Water****QC Batch # 2005/03/02-2B.62**LCS 2005/03/02-2B.62-032
LCSD

Extracted: 03/02/2005

Analyzed: 03/02/2005 19:32

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	24.6		25	98.4			65-165	20		
Benzene	23.0		25	92.0			69-129	20		
Toluene	21.7		25	86.8			70-130	20		
<i>Surrogates(s)</i>										
1,2-Dichloroethane-d4	508		500	101.6			73-130			
Toluene-d8	486		500	97.2			81-114			

Gas/BTEX/MTBE by 8260B

SECOR-Sacramento

Attn.: Ben Wolfe

3017 Kilgore Road, Suite 100

Rancho Cordova, CA 95670

Phone: (916) 861-0400 Fax: (916) 861-0430

Project: Conoco Philips Site # 1106

Received: 02/24/2005 09:45

Site: 1693 Central Avenue, McKinleyville, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Water

QC Batch # 2005/03/02-2B.62

MS/MSD

Lab ID: 2005-02-0625 - 010

MS: 2005/03/02-2B.62-051

Extracted: 03/02/2005

Analyzed: 03/02/2005 20:51

MSD: 2005/03/02-2B.62-017

Extracted: 03/02/2005

Dilution: 1.00

Analyzed: 03/02/2005 21:17

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	115	123	91.8	25	92.8	124.8	29.4	65-165	20		R1
Benzene	106	116	79.5	25	106.0	146.0	31.7	69-129	20		R1,M4
Toluene	25.2	27.9	ND	25	100.8	111.6	10.2	70-130	20		
<i>Surrogate(s)</i>											
1,2-Dichloroethane-d4	499	522		500	99.8	104.4		73-130			
Toluene-d8	564	560		500	112.8	112.0		81-114			

Gas/BTEX/MTBE by 8260B

SECOR-Sacramento

Attn.: Ben Wolfe

3017 Kilgore Road, Suite 100

Rancho Cordova, CA 95670

Phone: (916) 861-0400 Fax: (916) 861-0430

Project: Conoco Philips Site # 1106

Received: 02/24/2005 09:45

Site: 1693 Central Avenue, McKinleyville, CA

Legend and Notes

Analysis Flag

L2

Reporting limits were raised due to high level of analyte present
in the sample.

Result Flag

M4

MS/MSD spike recoveries were above acceptance limits.
See blank spike (LCS).

R1

Analyte RPD was out of QC limits.

San Francisco

ConocoPhillips Chain Of Custody Record

S11(20)

SECOR-Sacramento

April 07, 2005

3017 Kilgore Road, Suite 100
Rancho Cordova, CA 95670

Attn.: Kimber Collins

Project#: 77CP.60004.01.1106

Project: Conoco Philips Site #1106

Site: 1693 Central Ave., McKinleyville, CA

Attached is our report for your samples received on 03/22/2005 11:50

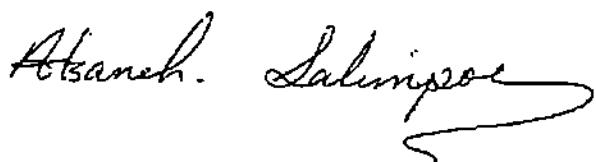
This report has been reviewed and approved for release. Reproduction of this report
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after
05/06/2005 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions,
please call me at (925) 484-1919.

You can also contact me via email. My email address is: asalimpour@stl-inc.com

Sincerely,



Afsaneh Salimpour
Project Manager

Gas/BTEX Fuel Oxygenates by 8260B

SECOR-Sacramento

Attn.: Kimber Collins

3017 Kilgore Road, Suite 100

Rancho Cordova, CA 95670

Phone: (916) 861-0400 Fax: (916) 861-0430

Project: 77CP.60004.01.1106

Received: 03/22/2005 11:50

Conoco Philips Site #1106

Site: 1693 Central Ave., McKinleyville, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
MW-2	03/21/2005 12:00	Water	1
MW-4	03/21/2005 11:20	Water	2

Gas/BTEX Fuel Oxygenates by 8260B

SECOR-Sacramento

Attn.: Kimber Collins

3017 Kilgore Road, Suite 100

Rancho Cordova, CA 95670

Phone: (916) 861-0400 Fax: (916) 861-0430

Project: 77CP.60004.01.1106

Received: 03/22/2005 11:50

Conoco Philips Site #1106

Site: 1693 Central Ave., McKinleyville, CA

Prep(s):	5030B	Test(s):	8260B
Sample ID:	MW-2	Lab ID:	2005-03-0780 - 1
Sampled:	03/21/2005 12:00	Extracted:	4/1/2005 19:23 4/3/2005 13:34
Matrix:	Water	QC Batch#:	2005/04/01-2A.69 2005/04/03-1A.66

Analysis Flag: L2 (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	500	50	ug/L	1.00	04/01/2005 19:23	
Benzene	31	0.50	ug/L	1.00	04/01/2005 19:23	
Toluene	6.9	0.50	ug/L	1.00	04/01/2005 19:23	
Ethylbenzene	ND	0.50	ug/L	1.00	04/01/2005 19:23	
Total xylenes	14	1.0	ug/L	1.00	04/01/2005 19:23	
Methyl tert-butyl ether (MTBE)	680	5.0	ug/L	10.00	04/03/2005 13:34	
<i>Surrogate(s)</i>						
1,2-Dichloroethane-d4	98.6	73-130	%	10.00	04/03/2005 13:34	
1,2-Dichloroethane-d4	81.7	73-130	%	1.00	04/01/2005 19:23	
Toluene-d8	103.1	81-114	%	10.00	04/03/2005 13:34	
Toluene-d8	91.8	81-114	%	1.00	04/01/2005 19:23	

Gas/BTEX Fuel Oxygenates by 8260B

SECOR-Sacramento

Attn.: Kimber Collins

3017 Kilgore Road, Suite 100

Rancho Cordova, CA 95670

Phone: (916) 861-0400 Fax: (916) 861-0430

Project: 77CP.60004.01.1106

Received: 03/22/2005 11:50

Conoco Philips Site #1106

Site: 1693 Central Ave., McKinleyville, CA

Prep(s): 5030B

Test(s): 8260B

Sample ID: MW-4

Lab ID: 2005-03-0780 - 2

Sampled: 03/21/2005 11:20

Extracted: 4/3/2005 14:00

Matrix: Water

QC Batch#: 2005/04/03-1A.66

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	1.00	04/03/2005 14:00	Q6
Benzene	ND	0.50	ug/L	1.00	04/03/2005 14:00	
Toluene	ND	0.50	ug/L	1.00	04/03/2005 14:00	
Ethylbenzene	ND	0.50	ug/L	1.00	04/03/2005 14:00	
Total xylenes	ND	1.0	ug/L	1.00	04/03/2005 14:00	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	04/03/2005 14:00	
<i>Surrogate(s)</i>						
1,2-Dichloroethane-d4	102.7	73-130	%	1.00	04/03/2005 14:00	
Toluene-d8	102.5	81-114	%	1.00	04/03/2005 14:00	

Gas/BTEX Fuel Oxygenates by 8260B

SECOR-Sacramento

Attn.: Kimber Collins

3017 Kilgore Road, Suite 100

Rancho Cordova, CA 95670

Phone: (916) 861-0400 Fax: (916) 861-0430

Project: 77CP.60004.01.1106

Received: 03/22/2005 11:50

Conoco Philips Site #1106

Site: 1693 Central Ave., McKinleyville, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Method Blank

Water

QC Batch # 2005/04/01-2A.69

MB: 2005/04/01-2A.69-051

Date Extracted: 04/01/2005 18:51

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	04/01/2005 18:51	
Benzene	ND	0.5	ug/L	04/01/2005 18:51	
Toluene	ND	0.5	ug/L	04/01/2005 18:51	
Ethylbenzene	ND	0.5	ug/L	04/01/2005 18:51	
Total xylenes	ND	1.0	ug/L	04/01/2005 18:51	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	04/01/2005 18:51	
Surrogates(s)					
1,2-Dichloroethane-d4	98.2	73-130	%	04/01/2005 18:51	
Toluene-d8	95.4	81-114	%	04/01/2005 18:51	

Gas/BTEX Fuel Oxygenates by 8260B

SECOR-Sacramento

Attn.: Kimber Collins

3017 Kilgore Road, Suite 100

Rancho Cordova, CA 95670

Phone: (916) 861-0400 Fax: (916) 861-0430

Project: 77CP.60004.01.1106

Received: 03/22/2005 11:50

Conoco Phillips Site #1106

Site: 1693 Central Ave., McKinleyville, CA

Batch QC Report

Prep(s): 5030B	Test(s): 8260B
Method Blank	Water
MB: 2005/04/03-1A.66-011	QC Batch # 2005/04/03-1A.66
	Date Extracted: 04/03/2005 10:11

Compound	Conc.	RL	Unit	Analyzed	Flag
GRO (C6-C12)	ND	50	ug/L	04/03/2005 10:11	
Benzene	ND	0.5	ug/L	04/03/2005 10:11	
Toluene	ND	0.5	ug/L	04/03/2005 10:11	
Ethylbenzene	ND	0.5	ug/L	04/03/2005 10:11	
Total xylenes	ND	1.0	ug/L	04/03/2005 10:11	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	04/03/2005 10:11	
<i>Surrogates(s)</i>					
1,2-Dichloroethane-d4	103.0	73-130	%	04/03/2005 10:11	
Toluene-d8	105.2	81-114	%	04/03/2005 10:11	

Gas/BTEX Fuel Oxygenates by 8260B

SECOR-Sacramento

Attn.: Kimber Collins

3017 Kilgore Road, Suite 100

Rancho Cordova, CA 95670

Phone: (916) 861-0400 Fax: (916) 861-0430

Project: 77CP.60004.01.1106

Received: 03/22/2005 11:50

Conoco Philips Site #1106

Site: 1693 Central Ave., McKinleyville, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2005/04/01-2A.69

LCS 2005/04/01-2A.69-031
LCSD

Extracted: 04/01/2005

Analyzed: 04/01/2005 18:31

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Crl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	25.6		25	102.4		65-165	20			
Benzene	22.5		25	90.0		69-129	20			
Toluene	24.2		25	96.8		70-130	20			
Surrogates(s)										
1,2-Dichloroethane-d4	453		500	90.6		73-130				
Toluene-d8	478		500	95.6		81-114				

Gas/BTEX Fuel Oxygenates by 8260B

SECOR-Sacramento

Attn.: Kimber Collins

3017 Kilgore Road, Suite 100

Rancho Cordova, CA 95670

Phone: (916) 861-0400 Fax: (916) 861-0430

Project: 77CP.60004.01.1106

Received: 03/22/2005 11:50

Conoco Philips Site #1106

Site: 1693 Central Ave., McKinleyville, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Laboratory Control Spike

Water

QC Batch # 2005/04/03-1A.66

LCS 2005/04/03-1A.66-046

Extracted: 04/03/2005

Analyzed: 04/03/2005 09:46

LCSD

Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Methyl tert-butyl ether (MTBE)	26.4		25	105.6			65-165	20		
Benzene	22.9		25	91.6			69-129	20		
Toluene	27.8		25	111.2			70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	465		500	93.0			73-130			
Toluene-d8	526		500	105.2			81-114			

Gas/BTEX Fuel Oxygenates by 8260B

SECOR-Sacramento

Attn.: Kimber Collins

3017 Kilgore Road, Suite 100

Rancho Cordova, CA 95670

Phone: (916) 861-0400 Fax: (916) 861-0430

Project: 77CP.60004.01.1106

Received: 03/22/2005 11:50

Conoco Philips Site #1106

Site: 1693 Central Ave., McKinleyville, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Water

QC Batch # 2005/04/01-2A.69

MW-2 >> MS

Lab ID: 2005-03-0780 - 001

MS: 2005/04/01-2A.69-042

Extracted: 04/01/2005

Analyzed: 04/01/2005 19:42

MSD: 2005/04/01-2A.69-002

Extracted: 04/01/2005

Analyzed: 04/01/2005 20:02

Dilution: 1.00

Dilution: 20.00

Compound	Conc. ug/L			Spk.Level	Recovery %			Limits %		Flags	
	MS	MSD	Sample		ug/L	MS	MSD	RPD	Rec.	RPD	MS
Methyl tert-butyl ether	805	761	736	25	276.0	100.0	93.6	65-165	20	M3	R1
Benzene	53.9	54.2	30.6	25	93.2	94.4	1.3	69-129	20		
Toluene	29.3	30.5	6.85	25	89.8	94.6	5.2	70-130	20		
<i>Surrogate(s)</i>											
1,2-Dichloroethane-d4	401	373		500	80.2	74.6		73-130			
Toluene-d8	452	478		500	90.4	95.6		81-114			

Gas/BTEX Fuel Oxygenates by 8260B

SECOR-Sacramento

Attn.: Kimber Collins

3017 Kilgore Road, Suite 100

Rancho Cordova, CA 95670

Phone: (916) 861-0400 Fax: (916) 861-0430

Project: 77CP.60004.01.1106

Received: 03/22/2005 11:50

Conoco Philips Site #1106

Site: 1693 Central Ave., McKinleyville, CA

Batch QC Report

Prep(s): 5030B

Test(s): 8260B

Matrix Spike (MS / MSD)

Water

QC Batch # 2005/04/03-1A.66

MS/MSD

Lab ID: 2005-03-0828 - 002

MS: 2005/04/03-1A.66-001

Extracted: 04/03/2005

Analyzed: 04/03/2005 11:01

MSD: 2005/04/03-1A.66-027

Extracted: 04/03/2005

Analyzed: 04/03/2005 11:27

Dilution: 1.00

Compound	Conc. ug/L			Spk.Level ug/L	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	27.1	23.8	ND	25	108.4	95.2	13.0	65-165	20		
Benzene	25.0	21.1	ND	25	100.0	84.4	16.9	69-129	20		
Toluene	29.2	24.1	ND	25	116.8	96.4	19.1	70-130	20		
<i>Surrogate(s)</i>											
1,2-Dichloroethane-d4	435	463		500	87.0	92.6		73-130			
Toluene-d8	512	506		500	102.4	101.2		81-114			

Gas/BTEX Fuel Oxygenates by 8260B

SECOR-Sacramento

Attn.: Kimber Collins

3017 Kilgore Road, Suite 100

Rancho Cordova, CA 95670

Phone: (916) 861-0400 Fax: (916) 861-0430

Project: 77CP.60004.01.1106

Received: 03/22/2005 11:50

Conoco Philips Site #1106

Site: 1693 Central Ave., McKinleyville, CA

Legend and Notes

Sample Comment

Lab ID: 2005-03-0780 -2

Siloxane peaks were found in the sample, which are not believed to be gasoline related. If they were to be quantified as gasoline, the concentration would be 120 ug/L

Analysis Flag

L2

Reporting limits were raised due to high level of analyte present in the sample.

Result Flag

M3

Sample > 4x spike concentration.

Q6

The concentration reported reflect(s) individual or discrete unidentified peaks not matching a typical fuel pattern.

R1

Analyte RPD was out of QC limits.

1220 Quarry Lane
Pleasanton, CA 94566

(925) 484-1919 (925) 484-1096 fax

ConocoPhillips Site Manager:
INVOICE REMITTANCE ADDRESS:

2005-03-M80
South Harbor, Suite 200
San Leandro, CA 94578

ConocoPhillips Work Order Number:
1103SEC550

DATE: **3/21/05**
PAGE: **1** of **1**

PARTICULATING COMPANY:
SECCOR International Inc

ADDRESS:
PROJECT CONTACT (Name/Title or Job Function)

Kimber Collins

TELEPHONE:
(916) 861-0400

FAX:
(916) 861-0410

CONTRACT PROJECT NUMBER:
77CP-60004.01.1106

CONOCOPHILLIPS SITE MANAGER:
Ed Ralston

RECEIVED DATE:

1105

SITE ADDRESS (Street and City):
1693 Central Ave., McKinleyville, CA

CONTACT NAME:
Kimber Collins, Grace Sims and Casey

PHONE NO.:
(916) 861-0400

EXT. NO.:
205

ED USE ONLY

TURNAROUND TIME (CALENDAR DAYS):
 14 DAYS 7 DAYS 27 HOURS 48 HOURS 24 HOURS LESS THAN 24 HOURS

SPECIAL INSTRUCTIONS OR NOTES:
 CHECK BOX IF EDF IS RECEIVED

Please send EDF, PDF deliverable to edf@seccor.com, gsims@seccor.com,
and casey@seccor.com

* Field Point Name only required if different from Sample ID

LIN#	Sample Identification/Field Point Name*	SAMPLING DATE	SAMPLING TIME	Matrix	No. of Cont.
1	MW12	3/21/05	12:00	Water	1
2	MW4		11:20	Water	3

Load

Total

STLC

TCLP

ATTACHMENT 3
TRC QUARTERLY MONITORING REPORT – JANUARY
THROUGH MARCH 2005
Quarterly Remedial Performance Summary
Former 76 Station No. 01106
1693 Central Ave.
McKinleyville, CA
April 14, 2005

SEE TRC

1Q05 QMR